

Honors Statistics

2.2: Frequency Distributions

Men's winning first-round NCAA basketball tournament scores

95	70	79	99	83	72	79	101
69	82	86	70	79	69	69	70
95	70	77	61	69	68	69	72
89	66	84	77	50	83	63	58

1. Construct a frequency distribution with 5 classes.
2. Construct a relative frequency distribution with 5 classes.
3. State the class midpoints and class boundaries.

One-way commuting distances (in miles) for 60 workers in Downtown Dallas

13	47	10	3	16	20	17	40	4	2
7	25	8	21	19	15	3	17	14	6
12	45	1	8	4	16	11	18	23	12
6	2	14	13	7	15	46	12	9	18
34	13	41	28	36	17	24	27	29	9
14	26	10	24	37	31	8	16	12	16

4. Construct a frequency distribution with 6 classes.
5. Construct a relative frequency distribution with 6 classes.
6. State the class midpoints and class boundaries.

Salaries, in thousands of dollars, for employees of a small company

24	25	25	27	27	29	30	35	35	35	36	38	38
39	39	40	40	40	45	45	45	45	47	52	52	52
58	59	59	61	61	67	68	68	68				

7. Construct a frequency distribution with 5 classes.
8. Construct a relative frequency distribution with 5 classes.
9. State the class midpoints and class boundaries.